Employment & Individual Material Readiness List

PRESENTED BY:

NAWCADLKE 3.6 Logistics Information Systems Maintenance & Operations and Data Analysis

Key Learning Objectives

This training module will cover the Employment process used by the SECAs and how it creates the IMRL.

Upon completion, you should have a basic understanding of the Employment Process, IMRL and associated SE management practices / activities involved with IMRL.

WSPD

- Weapons Systems Planning Document
  - Maintained by the Aircraft PMA.
  - Each PMA is responsible for updating their WSPD.
  - Lists Number of aircraft and configuration by activity.
  - Authorizes Maintenance Levels.
  - Requests for changes must be sent to the cognizant PMA.

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NAVAIRNOTE 13100
25 Sep 01

WEAPON SYSTEM PLANNING DOCUMENT

F/A-18A/B/C/D

DISTRIBUTION STATEMENT D: Distribution authorized to DoD and DoD contractors only; Administrative or Operational Use (Sep 01). Other U. S. requests shall be referred to AIR-1.1.

Encl (1)

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WEAPON SYSTEM PLANNING DATA ASSIGNMENTS AND BASE LOADING (HOMEPORT/ROTATIONAL) (AIRCRAFT)

AIRCRAFT MODEL DESIGNATION: F/A-18A

DATE PREPARED: 25 Sep 01

BASE, ACTIVITY, OR UNIT	MAINTENANCE SUPPORT LEVEL			OPERATING QUANTITIES (AT END OF TIME PERIOD)																					
				CY 2001				CY 2002				CY 2003				CY 2004				CY 2005		CY 2006		CY 2007	
	I	II	O	MAR	JUN	SEP	DEC	MAR	JUN	SEP	DEC	MAR	JUN	SEP	DEC	MAR	JUN	SEP	DEC	MAR	SEP	MAR	SEP	MAR	SEP
TOTAL OPERATING				191	191	191	175	175	175	175	168	168	168	168	162	162	162	162	161	161	161	159	159	158	158
NAS, Patuxent River, MD	3	*	+	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)
NSTS RDT&E a/			¢	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
NSTS RDT&E (NFA-18A)			¢	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
NAWS, China Lake, CA d/	3e/	f/	+	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(2)	(2)	(2)	(2)	(2)	(2)	(2)
NWTS RDT&E			¢	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2
NAS, Pensacola, FL	3e/	*	+	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)
NFDS g/			¢	8	8	8	8	8	8	8	8	9	8	8	8	8	8	8	8	8	8	8	8	8	8
NAS, Fallon, NV i/ s/		i/	+	(22)	(22)	(22)	(20)	(20)	(20)	(20)	(13)	(13)	(13)	(13)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)	(7)
NSAWC m/			¢	22	22	22	20	20	20	20	13	13	13	13	7	7	7	7	7	7	7	7	7	7	7
Dryden, AFB, CA			q/	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)	(8)
NASA (Non-PAA Aircraft)		q/	q/	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8

INTERMEDIATE LEVEL SE AND PREPOSITIONED ORGANIZATIONAL LEVEL SE SHALL BE PLANNED AND PROVIDED FOR IN SUPPORT OF ALL NONDEPLOYING A/C PLUS TWO-THIRDS OF ALL DEPLOYABLE A/C THAT ARE SHOWN AT HOMEPORTED SITE. THIS RULE SHALL BE APPLIED TO SE REQUIREMENTS ONLY AFTER THE FIRST TWO SQUADRONS HAVE BEEN FULLY OUTFITTED AT ANY GIVEN SITE.

MARINE CORPS AIRCRAFT ARE EXCLUDED FROM THIS RULE.

FOR THOSE ACTIVITIES CAPABLE OF SECOND OR THIRD DEGREE MAINTENANCE, BUT WHICH ARE NOT SUPPORT SITES FOR THIS AIRCRAFT, SEE LATEST ISSUE OF NAVAIR NOTICE 4700, (GAS TURBINE ENGINE THREE DEGREES OF INTERMEDIATE MAINTENANCE; ACTIVITY ASSIGNMENTS FOR).

MAINTENANCE SUPPORT LEVEL LEGEND: I (INTERMEDIATE) "2 OR 3" INDICATES DEGREE OF ENGINE MAINTENANCE. FOR FIRST DEGREE SUPPORT SITES, SEE REWORK ACTIVITIES, NAVAIR FORM 13100/12E.

II (INTERMEDIATE LANE), O (ORGANIZATIONAL)
"*" FOR ALL TYPES OF SUPPORT EQUIPMENT (SE) INCLUDING AVCAL SUPPORT.
"+" FOR PREPOSITIONED SE ITEMS THAT ARE TO BE MADE AVAILABLE TO THE SUPPORT ORGANIZATIONAL ACTIVITIES.
"¢" FOR ALL SE EXCEPT THOSE PREPOSITIONED.

NAVAIR FORM 13100/12G (REV 10-97 Excel)

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F/A-18A SPECIFIC NOTES

a/ Contractor maintenance supported only.

b/ Limited Intermediate ("I") and Organizational ("O") level support required at Boeing/McDonnell Douglas Corporation, St. Louis for acceptance test evaluation.

c/ "I" level equipment non-dedicated. Shared by contractor and Navy. "O" level dedicated for contractor. Contractor will support Navy flight test including the Board of Inspection and Surveys (BIS), Follow-on Test and Evaluation (FOTE) contractor support will continue. The following peculiar organic support for F/A-18's has been/will be provided to NAS, Patuxent River.

1. "I" level support for all radar Weapon Replacement Assembly (WRA's) and analog Shop Replacement Assembly (SRA's) via AN/APM-446 RSTS.

2. "I" level support for all WRA's supported by Night Attack IAFTA.

3. "I" level support for all WRA's supported by AN/ASM-608(V) IMUTS II.

4. "I" level support for selected SRA's supported by AN/USM-484 HTS.

5. "I" level support for WRA's support by Servocylinder Test Station (STS).

6. Consolidated Automated Support System (CASS) Test Program Sets (TPS) for use in conjunction with CASS station at Naval Electronic Systems Engineering Center (NESEC) St. Indigoes.

d/ Support for the following systems are planned to be added at NAWS, China Lake Aircraft Intermediate Maintenance Department (AIMD) so as not to interfere with fleet support: Radar Sets AN/APG-65, AN/APG-73, Armament Computer AYQ-9, Heads-Up Display (AYQ-28 and AYQ-32), Signal Data Recording Set AN/ASQ-196, Radio Communication Sets AN/ARC-210 and AN/ARC-182, Inertial Navigation Set AN/ASN-130, Maintenance Monitor Recorder System AN/ASM-612, and aircraft generators.

e/ Limited to preservation, packaging, and canning capabilities.

f/ "I" level support provided by NAS, Lemoore for NAS, Point Mugu. "I" level support for NAWS, China Lake will be provided by NAS, Lemoore except for the following systems that NAWS, China Lake AIMD can support; tire, wheel and brake repair, Nondestructive Inspection (NDI), control panels, fire detection, grip assemble, threat panels, relay panels and selected Government Furnished Equipment (GFE) systems. The Shorebased Consolidated Allowance List (SHORCAL) to be based on "I" level support with "O" level components to be provided to site and "I" level material to be positioned at NAS, Lemoore.

NAVAIR NOTE 4700

- Lists Degree of Maintenance for Engines and APU’s
- This is for I and D Level only.

What is IMRL Employment?

- It is the basis for the IMRL
- It is a listing of all aircraft supported at a particular activity.
- It also includes all engines, systems, etc.

How to read the employment.

- Your activity's employment is found in the front of your IMRL.
- You can request from your SECA Rep employment reports that reflect the latest changes.
- The following slides will provide some information on reading the employment.

Activity Code

- Activity Code This designates if the activity is a vessel or land based.
  - L is land activity, this selects all applicable items from source data that has a land application.
  - V is vessel activity, this selects all applicable items from source data that is has a vessel application.
  - D is deployable activity

IMRL Seln Cd

- This is the selection code
  - A Selects both I and O level items. Posts the I level items to the supporting activity and posts the O level custody coded items to the supporting activity's custody authorized allowance. Posts the O level N coded items to the O level IMRL

IMRL Seln Cd cont..

- B Selects the O level custody coded items. Posts the O level custody coded items to the supporting activity's custody authorized allowance.
- C Selects O level custody coded P and E items only. Posts the O level custody coded P and E items to the supporting activity's custody authorized allowance.

IMRL Seln Cd cont..

- D Selects both I level and O level items. Posts the O level custody coded items to the supporting activity. Posts the I level items and the O level items to supported activity's authorized allowance.

SLM Code

- System List Model Code. Denotes whether the SLM Nr references a system, list code or model.
  - S is a system number used for avionics systems
  - L is a list code such as TE3851
  - M is a model such as an aircraft

SLM Nr

- System List Model Number. This is the specific system (385), list code (TE3851) or model (F/A-18F)

SLM Qty

- System, List Code, Model Quantity. Number of systems, list codes or models.

ML Cd

- Maintenance Code. This is the specific maintenance level performed at the activity.
  - I is intermediate level
  - O is organization level
  - D is depot level
  - T is transient maintenance.
  - Note
    - I and O may be used together
    - I and T may be used together

List Series Seln Cd

- List Series Selection Code. Gives the list series to be selected.
  - CN Course Number
  - FE Facility Equipment
  - G0 General
  - GU Gun Support
  - OL Armament Handling
  - R5 Avionics

List Series Seln Cd cont..

- TA Airframes
- TE Power Plants
- TG GTC’s
- TP Propeller
- TX Misc. Accessories
- TY Stencil Seats
- QM TOL Hardware
- AE Armament Support

List Series Seln Cd cont..

- WE Weapon Support
- TO All applicable list series beginning with T
- OO All applicable list series

3D Cd

- Three degree code. Used to indicate level of maintenance for engine, GTC, and propeller support.
  - 1 The repair of gas turbine engines to a depth which includes and goes beyond that repair authorized for second- and third-degree IMAs. It includes compressor rotor replacement and disassembly to a degree that the compressor rotor is removed. Any degree of repair which requires compressor rotor removal constitutes first-degree repair. Only those activities specifically designated as first-degree repair activities and included in NAVAIR Note 4700 will be outfitted to accomplish repair of that magnitude.

3D Cd cont..

- 2 The repair of a damaged or nonoperating gas turbine engine, its accessories, or components to an acceptable operating condition. As used in this instruction, repair by designated IMA's includes the repair/replacement of turbine rotors and combustion sections, including afterburners. Also authorized are replacing externally damaged, deteriorated, or time-limited components, gear boxes, or accessories, and conducting engine inspections. In addition, minor repair to the compressor section is authorized, for example, dressing nicks in compressor vanes and blades within limits of the operating and service instructions.

3D Cd cont..

- 2 cont.. Further, the repair or replacement of reduction gear boxes and torque shafts of turboshaft engines and compressor fans of turbofan engines which are considered repairable within the limits of the approved intermediate maintenance manuals shall be done by second-degree repair activities.

3D Cd cont..

- 3 Encompasses the same gas turbine engine repair capability as the second-degree repair except that certain functions which require high maintenance man-hours and are of low incident rate are excluded.

Number of Det

- Number of Detachments as stated in the WSPD.

Exceptions

- These are exceptions from the models
  - They are specific list codes, avionics systems or list series that are to be **omitted from the selection process**.
  - Entire list series can be excepted by entering the list series and then ALL (CNALL).

Tools for Employment

- The best tool for reading and developing employment is the Source Data Database.
- All list codes are listed in the SLM module of the database.
- Use this to review applicable systems and determine what needs to be excepted or added.
- The NAVAIR Note 4700 (for engines)

Tools for Employment cont..

- WSPD

Employment Guidelines

For

SECA N

Use Models

- Employ by model when ever possible.
  - Pertains mostly to depot component workload.
  - When supporting a system not on workload aircraft try to use the system model.

Test Cell Employment

- Use engine model to employ the test cell.
  - Employ engines through the aircraft for other than test cell
  - Employ engine models and except out all list codes except the test cell used at the activity
  - Tailor the test equipment down to per test cell allowance when multiple engine models are on one test cell

Site Models

- When employing whole models or systems does not make sense, establish site model
  - Requires more activity and SECA oversight, but reduces the number of deviations.
  - All site list codes have a list series of G0
    - Will establish site list codes for all applicable list series
      - Puts SE in the correct subsection of the IMRL

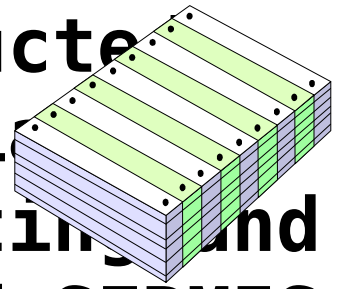
Employ at the O level

- Employ I level through the O level
  - When I level employment is done at the O level only need to make changes in one place.
    - I level SE is posted to the supporting I level IMRL
    - Easier to review exceptions to ensure all O level exceptions are included in the I level.

IMRL DESCRIPTION

The IMRL is a consolidated list specifying items and quantities of SE end items required by a particular aircraft maintenance activity or activity component to perform its assigned maintenance level functions as detailed by the NAMP (OPNAVINST4790).

The IMRL also includes a list of GFAE (Government Furnished Aeronautical Equipment) used in conjunction with IMRL SE end items. An IMRL is constructed for all Navy and Marine Corps aviation maintenance activities by extracting and processing applicable portions of SERMIS Source Data.



IMRL DESCRIPTION

The IMRL serves as an allowance and inventory management list for SE end items. IMRLs identify material requirements and provide a measure of supportability of aviation maintenance by identifying authorized SE allowances and providing inventory data. The total inventory quantities are obtained from the SE inventory records within SERMIS Data Base. IMRL inventory and authorized allowance data are used by ASO to validate fleet requisition actions and to assist the process of developing AVCAL and SHORECAL development for piece part support of SE end items.

IMRL DESCRIPTION

The IMRL (Individual Material Readiness List) identifies site specific material requirements and provides a basis for SE procurement. IMRL information and/or global NIIN summary data assists SE managers in formulating decisions regarding overall readiness, budget forecasts, equipment procurement and redistribution of assets.

The on-hand quantity listed in the IMRL is based on physical inventories reported by IMRL Managers via TRs (Transaction records). Data is compiled and maintained to determine material

Current Activity
Employment

Employment Data: The employment data section of the IMRL provides the activity with the selection criteria used by the SECA (Support Equipment Controlling Authority) to create the IMRL. This information provides the criteria for SERMIS to select the appropriate items of SE from source data based on model or list code applications and to perform it's algorithms to establish the IMRL computed allowance.

Note: Employment is only done by SECA'S, And is a site specific collection of information, such as types and number of aircraft

Current Activity Employment

The data displayed is the AAI, Activity Name and Activity Code as a header. Followed by Type IMRL selection Code, SLM number, SLM Code, SLM Qty*, ML code, List Series Selection code, 3 degree code, number of dets and exception code**.

* SLM Qty used in SERMIS is the # of models or systems supported at that site. It is not the AUTOSERD SLM qty which is the number of systems installed in each model (= SERMIS UPA – Units per application).

Current Activity Employment

AAI: 22178 Activity Name: USS RONALD REAGAN

Activity Code: V

Type IMRL Selection Code	SLM Number	SLM Code	SLM Qty	ML Code	List Series Selection Code	3 Deg Code	Number of Det	Exception Code						
A	G0CVN	L	1	I O	G0	N	0							
A	TE6383	L	1	I	TE	3	0							
A	TE7623	L	1	I	TE	3	0							
A	TG9041	L	1	I	TG	3	0							
A	TG9051	L	1	I	TG	3	0							
A	F/A-18C12	M	24	I	00	3	0	2371	427C	642	643	662	679	776V
								A47	A62	CNALL	G0985	G09852	OL9851	QM6420
								QM679D	TA984V	WE9851				
A	F/A-18E	M	14	I	00	3	0	2371	427C	679	A76	CNALL	QM679D	
A	F/A-18F	M	14	I	00	3	0	2371	427C	679	A76	CNALL	QM679D	
A	EA-6BICAPII	M	5	I	00	3	0	2371	305	345	776V	CNALL	G09102	OL9150
								QSALL	WE9150					
A	E-2CGP2HE2K	M	5	I	00	3	0	427C	800	835	835A	835B	CNALL	
A	FCATERCFLD	M	1	I	R5	N	0							
A	FECVN	M	76	I	FE	N	0							
A	SH-60F	M	6	I	00	3	0	427C	598	CNALL	QSALL			
A	HH-60H	M	2	I	00	3	0	427C	598	CNALL	QM6480	QSALL		
A	INSTREP	M	1	I	R5	N	0							
A	MD3A	M	1	I O	T0	3	0							
A	S-3B	M	8	I	00	3	0	427C	680	739	739A	819	819A	920
								CNALL	QM9200	QSALL	TE4522	TE4523		
A	TS3846ASM608	M	1	I	00	3	0	118	CNALL					
AAI:E2CHE2	Activity Name: E2 HAWKEYE 2000 FOR NCSO				CI: 22178			Supporting Activity Name: USS RONALD REAGAN						
Activity Code:	V													
C	E-2CGP2HE2K	M	5	O	00	N	0	427C	835	835A	835B	CNALL		
AAI:EA6B	Activity Name: NCSOP				CI: 22178			Supporting Activity Name: USS RONALD REAGAN						
Activity Code:	V													
C	EA-6BICAPII	M	5	O	00	N	0	104	345	CNALL	G09102	OL9150	QSALL	WE9150
AAI:F18E	Activity Name: CVN F18E				CI: 22178			Supporting Activity Name: USS RONALD REAGAN						
Activity Code:	V													
C	F/A-18E	M	14	O	00	N	0	2371	CNALL					
AAI:F18F	Activity Name: CVN F18				CI: 22178			Supporting Activity Name: USS RONALD REAGAN						
Activity Code:	V													
C	F/A-18F	M	14	O	00	N	0	2371	CNALL					
AAI:FA181	Activity Name: NCSOP				CI: 22178			Supporting Activity Name: USS RONALD REAGAN						

Current Activity Employment Sample